KHORRING, G.M., kand. tekhn. nauk

Plenum of the lighting engineering section of the Central Administration of the Scientific and Technical Society of the Power Industry. Svetotekhnika 5 no.6:28-29 Je '59. (MIRA 12:8)

(Lighting--Congresses)

KHOKHLOV, G.N., kand.tekhn.nauk

Reference data for the calculation of fluorescent lighting. Svetotekhnika 5 no.12:22-25 D '59. (MIRA 13:4)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt," Leningrad.
(Fluorescent lighting)

KNOHRING, Oleb Mikhaylovich; RYABOV, M.S., kand.tekhn.nauk, retsenzent; KLYUYEV, S.A., inzh., red.; ZHITNIKOVA, O.S., tekhn.red.

[Handbook for planning in electric lighting] Spravochnik dlia proektirovaniia elektricheskogo osveshcheniia. Izd.5, perer. i dop. Moskva, Gos.energ.izd-vo, 1960. 339 p. (MIRA 13:10)
(Electric lighting)

KNORRING, G.M., kand.tekhn.nauk

Lighting of art galleries. Svetotekhnika 6 no.1:19-25 Ja '60. (MIRA 13:5)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt." (Art galleries and museums--Lighting)

KNORRING, G.M., kand.tekhn.nauk

Without an adequate foundation ("Means for improving electric lighting in industrial plants" by V.B.Peretts. Reviewed by G.M.Knorring). Svetotekhnika 6 no.3:28-29 Mr '60.
(MIRA 13:6)
(Factories--Lighting) (Peretts, V.B.)

KNORRING, O.M., kand.tekhn.nauk

Is it a textbook or a handbook? (A.E. Boitsov's book "Ship lighting." Reviewed by O.M. Knorring) Svetotekhnika 6 no.9:30-31 S '60. (MIRA 13:9)

(Ships--Lighting) (Boitsov, A.E.)

[redacted], Vladimir Ivanovich; LOVTSKIY, Nikolay Mesanel'yevich; BOL'SHAM, Ya.M., inzh., retsenzent; [redacted] kand. tekhn.nauk, red.; SOKOLOVA, Yo.M., tekhn.red.

[Designing of electric power equipment for industrial enterprises] Proektirovanie silovogo elektrooborudovaniia promyshlennykh predpriiatii. Moskva, Gos.energ.izd-vo, 1960. 382 p. (MIRA 14:4)

1. Nachal'nik tekhnicheskogo otdela instituta "Tyazhpromelektroproyekt" (for Bol'sham).
(Electric apparatus and appliances)

KHORRINO, G.M., kand.tekhn.nauk

Lighting of windowless buildings. Svetotekhnika 6 no.8:26-28 Ag '60. (MIRA 13:11)

1. Leningradskoye otdeleniye Gosudarstvennogo proyektnogo instituta "Tyazhpromelektroproyekt."
(Electric lighting)

KNORRING, G.M., kand.tekhn.nauk; SAPOZHNIKOV, R.A., doktor tekhn.nauk, prof.

Problem concerning the optimum location of flood lights for lighting large areas. Svetotekhnika 7 no.2:28-29 F '61. (MIRA 14:10)

(Electric lighting)

KHORRING, O.M., kand.tekhn.nauk

Letter to the editor. Svetotekhnika 7 no.5:14 My '61. (MIRA 14:6)

(Paint shops--Lighting)
(Electric wiring, Interior--Safety measures)

KHORRING, G.M., kand.tekhn.nauk

Concerning the assortment of fluorescent lamps. Svetotekhnika 7 no.6:8-11 Je '61. (MIRA 14:6)

1. LO Gosudarstvennogo proyektnogo instituta "Tyazhpromelektroproyekt".
(Fluorescent lamps)

KNORRING, O.M., kand.tekhn.nauk

Concerning the economically effective voltage drop in lighting networks. Svetotekhnika 7 no.9:10-15 S '61. (MIRA 14:9)

L. Leningradskoye otdeleniye Gosudarstvennogo proyektnogo instituta "Tyazhpromelektroproyekt".
(Electric networks) (Electric lighting)

KNORRING, O.M., kand.tekhn.nauk

Concerning V.V.Meshkov and I.I.Sokolov's book "Course in lighting engineering." Svetotekhnika 7 no.12:27-29 D '61. (MIRA 14:12)
(Electric--Lighting) (Meshkov, V.V.) (Sokolov, I.I.)

DADIOMOV, Maks Samuilovich; POLLAK, Sergey Vladimirovich[deceased]; KNORRING, G.M., kand. tekhn.nauk, retsenzent; LEVITIN, I.B., kand. tekhn.nauk, retsenzent; SOBOLEVA, Ye.M., tekhn. red.

[Illumination of construction sites] Osveshchenie stroitel'nykh ploshchadok. Moskva, Gosenergoizdat, 1962. 198 p. (MIRA 15:6)

(Building sites) (Electric lighting)

KNORRING, O.M., kand.tekhn.nauk

Luminous ceilings, panels, and strips. Svetotekhnika 8 no.4: 6-17 Ap '62. (MIRA 15:4)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt".
(Electric light fixtures)

KNORRING, G.M., kand.tekhn.nauk

Voltage drop permissible in the design of electric lighting networks. Svetotekhnika 8 no.6:26 Je '62. (MIRA 15:5)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt".
(Electric networks) (Electric lighting)

KNORRING, O.M., kand.tekhn.nauk

Remote control of electric lighting in industrial buildings having no windows or skylights. Svetotekhnika 8 no.7:29 Jl '62. (MIRA 15:6)

(Electric lighting)

KHORTENKO, G.M., kand.tekhn.nauk

In the technical council of the State Design and Planning Institute for the Heavy Electrical Equipment Industry. Svetotekhnika 8 no.1: 28 Ja '62. (MIRA 15:1)

(Electric lighting--Congresses)

SHAYKEVICH, Aleksandr Semenovich; KHORRINO, I.G.M., kand.tekhn. nauk, retsenzent; SAPOZHNIKOV, K.A., doktor tekhn. nauk, prof., nauchnyy red.; SOBOLEVA, Ye.M., tekhn.red.

[Quality of industrial electric lighting systems and methods for their improvement]Kachestvo promyshlennogo osveshcheniia i puti ego povysheniia. Moskva, Gosenergoizdat, 295 p. (MIRA 15:11)

(Electric lighting) (Industrial plants—Lighting)

KNORRING, G.M., kand.tekhn.nauk

Choice of an economical light fixture. Svetotekhnika 8 no.7:28-29 Jl '62. (MIRA 15:6)

1. Gosudarstvennyy proyektnyy institut "Tyazhpromelektroproyekt".
(Electric light fixtures)
(Electric lighting)

YEPANESHNIKOV, Mikhail Mikhaylovich; KNORRING, G.M., kand. tekhn. nauk, retsenzent; LEVITIN, I.B., kand. tekhn. nauk, retsenzent; KOMAR, M.A., red.; BUL'DYAYEV, N.A., tekhn. red.

[Electric lighting]Elektricheskoe osveshchenie. Izd.3., perer. i dop. Moskva, Gosenergoizdat, 1962. 335 p. (MIRA 16:1)
(Electric lighting) (Electric light fixtures)

KHORRINO, G.M., kand.tekhn.nauk; SHAYKEVICH, A.S., kand.tekhn.nauk

Concerning electric lighting norms for different industries.
Svetotekhnika 8 no.12:22-23 D '62. (MIRA 16:1)
(Electric lighting--Standards)

AMATUNI, Napoleon Leonovich, dots.; BARDINSKIY, Sergey Ivanovich, dots.; DREVS, Georgiy Vyacheslavovich, dots.; IL'IN, Boris Vladimirovich, dots.; KNORRING, Gleb Mikhaylovich, kand. tekhn.nauk; PASECHNIK, Stepan Yakovlevich, prof.; PREOBRAZHENSKIY, Alekseyevich, dots.; ROZENBERGER, Boris Fedorovich, dots.; SOLOV'YEV, Vladimir Ivanovich, dots.; YASTREBOV, Petr Parfen'yevich, prof.; BELOVIDOV, B.S., doktor tekhn.nauk, prof., retsenzent; ARTEMOVA, T.I., red. izd-va; TUPITSYNA, L.A., red.izd-va; SHVETSOV, S.V., tekhn. red.

[Electrical engineering and electric equipment] Elektrotekhnika i elektrooborudovanie; obshchii kurs. [By] N.L.Amatuni i dr. Moskva, Rosvuzizdat, 1963. 646 p. (MIRA 16:9)

1. Novocherkasskiy politekhnicheskiy institut (for Belovidov).
(Electric engineering--Handbooks, manuals, etc.)
(Electric apparatus and appliances--Handbooks, manuals, etc.)

KNORRING, G.M., kand.tekhn.nauk

Problem concerning the form of lighting engineering designs. Svetotekhnika 9 no.1:23-24 Ja '63. (MIRA 16:1)

1. Gosudarstvennyy institut po proyektirovaniyu elektrooborudovaniya dlya tyazheloy promyshlennosti.
(Electric lighting)

KNORRING, G.M., kand. tekhn. nauk

Illumination of large vertical shiny surfaces. Svetotekhnika 9 no.8:6-9 Ag '63. (MIRA 16:8)

1. Leningradskoye otdeleniye Gosudarstvennogo instituta po proyektirovaniyu elektrooborudovaniya dlya tyazheloy promyshlennosti.

(Electric lighting)

ANASTASIYEV, P.I.; BROSTREM, A.A.; VESHENEVSKIY, S.N.; GEL'MAN, G.A.; GORNSHTEYN, L.A.; ZIMENKOV, M.G.; KARVOVSKIY, G.A.; KIBLITSKIY, V.A.; KLEYN, P.N.; KLIMIKSHYEV, V.M.; KLYUYEV, S.A.; KNORRING, G.M.; KORENEVSKIY, A.M.; LEYBZON, Ya.I.; LIVSHITS, D.S.; [illegible]MAN, I.I.; LOGINOV, O.I.; MILICH, M.B.; NAYFEL'D, M.R.; OKOROKOV, S.P.; POLYAK, A.B.; ROYZEN, S.S.; RYABOV, M.S.; SINITSYN, O.A.; SOLODUKHO, Ya.Yu.; SOSKIN, E.A.; STASYUK, V.N.; BOL'SHAM, Ya.M., red.; GRACHEV, V.A., red.; SAMOVER, M.L., red.; BORICHEV, I. Ye., red.; DANILENKO, A.I., red.; KHRAMUSHIN, A.M., red.; YAKUBOVSKIY, F.B., red.; BRENDENBURGSKAYA, E.Ya., red.; KOMAR, M.A., red.; BORUNOV, N.I., tekhn. red.

[Handbook on electrical systems of industrial enterprises in four volumes] Spravochnik po elektroustanovkam promyshlennykh predpriiatii v chetyrekh tomakh. Pod obshchei red. I.E. Boricheva i dr. Moskva, Gosenergoizdat. Vol.1. [Design of electrical systems of industrial enterprises in two parts] Proektirovanie elektroustanovok promyshlennykh predpriiatii v dvukh chastiakh. Pt.2. Pod red. L.M.Bol'shama i dr. 1963. 598 p. (MIRA 17:3)

VOLOTSKOY, Nikolay Vasil'yevich; KNORRING, Gleb Mikhaylovich; KUYABOV, Mikhail Sergeyevich; SHAYKEVICH, Aleksandr Semenovich; KLYUYEV, S.A., nauchn. red.; KNORRING, G.M., nauchn. red.

[Electrical lighting of industrial and public buildings] Elektricheskoe osveshchenie proizvodstvennykh i grazhdanskikh zdanii. [By] N.V.Volotskoi i dr. Moskva, Energiia, 1964. 767 p. (MIRA 18:2)

KHORRING, G.M., kand.tekhn.nauk

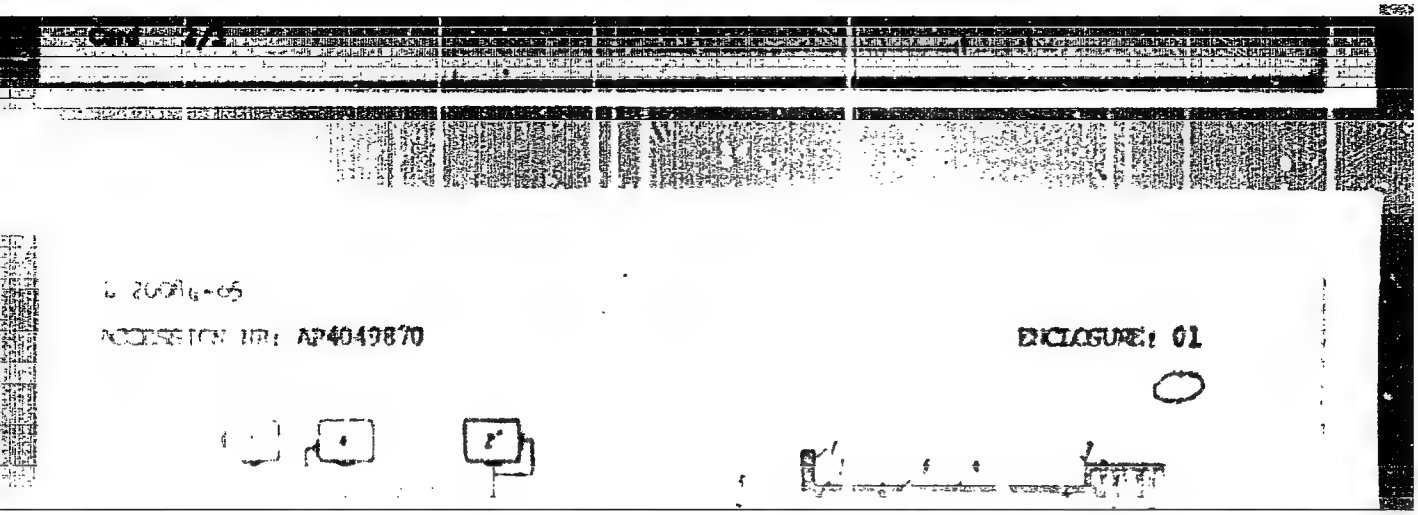
Lighting networks with one wire reversed. Svetotekhnika 10 no.3: 24-25 Mr '64. (MIRA 17:3)

1. Lampovoye otdeleniye Gosudarstvennogo instituta po proyektirovaniyu elektrooborudovaniya dlya tyazheloy promyshlennosti.

KNORRING, G.M., kand.tekhn.nauk

Applicability and placement of standard light fixtures. Svetotekhnika 10 no.2:25-27 F '64. (MIRA 17:4)

1. LO Gosudarstvennogo instituta po proyektirovaniyu elektrooborudovaniya dlya tyazheloy promyshlennosti.



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Pteridophyta, i. d.

IKONNIKOV, S.S.; ISMAILOV, M.; KHOKHRIN, I.G.; KOROLEVA, A.S.; KUKRYASHEV, S.N.; MALYSHEV, V.P.; MASLENNIKOVA, T.I.; NEVSKIY, S.A.; NIKITIN, V.A.; OVCHINNIKOV, P.N.; PLESHKO, S.I.; POPOV, M.G.; SIDORENKO, O.T.; CHUKAVINA, A.P.; SHIBKOVA, I.F.; BORISOVA, A.G., redaktor; VASIL'CHENKO, I.T., redaktor; KRUSTRUYEVA, O.M., redaktor; ZEMSKL', R.Ye., tekhnicheskiy redaktor

[Flora of the Tajik S.S.R.] Flora Tadzhikskoi SSR. Moskva, Izd-vo Akad.nauk SSSR, Vol.1. [Pteridophyta - Gramineae] Paporotnikoobraznye-zlaki. Glav.red. P.N.Ovchinnikov. 1957. 547 p. (MIRA 10:9)
(Tajikistan--Botany)

VVEDENSKIY, A.I.; GRIGOR'YEV, Yu.S.; KHOROSHKO, I.G.; KRECHETOVICH, V.I.; OVCHINNIKOV, P.N.; PILATOVA, I.F.; CHUKAVINA, A.P.; ZENDEL', M.Ye., tekhn. red.

[Flora of the Tajik S.S.R.]Flora Tadzhikskoi SSR. Glav. red. P.N.Ovchinnikov. Moskva, Izd-vo AN SSSR. Vol.2.[Cyperaceae - Orchidaceae]Osokovye-Orkhidnye. 1963. 454 p. (MIRA 16:8)
(Tajikistan--Monocotyledons)

KNORRING, O.E.; TAMAMSHYAN, S.G.

Significance of anatomical characteristics of the fruit in the systematics of the thistle family. Bot.zhur. 38 no.6:909-910 N-D '53. (MLRA 7:1)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR, Leningrad. (Carduaceae)

KHOKHLOV, O.E.

General Marrubium, Lagopsis, Pseudomoestachys. Flora SSSR 20: 233-253; 500-501 '54. (MLRA 7:7)
(Labiatae)

KHOKRINO, O.M.

Materials on systematics of the genus Lepidolopha Winkl. (MIRA 12:8)
Bot.mat.Gerb. 19:380-384 '59.
(Soviet Central Asia--Lepidolopha)

KNORRING, O.E.

A new species of the genus Lagochilus Bge. from the Turkestan Range. Bot. mat. Gerb. 21:314-315 '61. (MIRA 14:10)
(Ravat region (Leninabad Province))—Lagochilus)

AFANAS'IEV, K.S.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GORSHKOVA, S.G.; IL'IN, M.M.; KIRPICHNIKOV, M.E.; KNORRING, O.E.; KUPRIYANOVA, L.A.; POBEDIMOVA, Ye.G.; POLYAKOV, P.P.; POYARKOVA, A.I.; SMOL'YANINOVA, L.A.; FEDOROV, An.A.; TSVETKOVA, L.I.; TSVELEV, N.N.; SHISHKIN, B.K.; KOMAROV, V.L., akademik, glavnyy red.; BOBROV, red.toma; SHISHKIN, B.K., red.izd.; SMIRNOVA, A.V., tekhn.red.

[Flora of the U.S.S.R.] Flora SSSR. Moskva, Izd-vo Akad.nauk SSSR. 1961. 938 p. (Flora SSSR, vol. 26). (MIRA 15:2)

1. Chlen-korrespondent AN SSSR (for Shishkin).
(Compositae)

BORISOVA, A.G.; KNORRING, O.E.; NEKRASOVA, V.L.

Ninetieth anniversary of the birth of Boris Alekseevich Fedchenko (Dec. 27, 1872- Sept. 29, 1947). Bot. zhur. 47 no.6:897-907 Je '62. (MIRA 15:7)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.

(Fedchenko, Boris Alekseevich, 1872-1947)

SOV/112-58-2-2493

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 113 (USSR)

AUTHOR: Knorring, V.

TITLE: Measuring Low-Frequency Vibrations by Double Integration of Accelerations (Izmereniye vibratsiy nizkoy chastoty metodom dvukratnogo integrirovaniya uskoreniy)

PERIODICAL: Sb. nauchno-issled. rabot stud. elektromekhan. fak. Leningr. politekhn. in-t, L., 1956, pp 46-61

ABSTRACT: The feasibility has been substantiated of constructing low-frequency vibrometers based on a higher (than that being measured) frequency mechanical pickup and a double integrating circuit. Design formulae are derived, and a meter design is presented for the 0.2-30 cps range with a nonperiodic (step) displacement component of 0.3 m amplitude, about 0.5 sec in duration, and a max acceleration of 10 g. The meter rated measuring band is 10-200 cps and the max amplitude is 0.5 mm. The pickup self-oscillation frequency is about 60 cps; its moving-part travel is 3 mm. A two-phototube photoelectric

Card 1/2

Measuring Low-Frequency Vibrations by Double Integration of Accelerations

differential converter is used in the meter. There are two shutters in the pickup with slots, each slot half-closing a corresponding slot in the stationary diaphragm; in the event of displacement, one slot closes more and the other less. The high-impedance input stage of the integrator is designed with a small grid current tube. The first integrator feeds into a cathode follower and then into a second integrator which is, actually, a capacitance-feedback amplifier. It is reported that experimental results with parts of the above circuit agreed well with calculated characteristics.

S.S.Shch.

ANOKHIN, V.G

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ACCESSION NR: AP5004677 S/0115/64/000/009/0058/0059

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18
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AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Problem of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by: P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Yu. A.

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ACCESSION NR: AP5006677

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KUPERSHMIDT (Moscow)--"On Determination of the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. P. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; M. P. DMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGNATOV (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. S. CHERPAKOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Meter and from a Speed Meter"; R. A. POLUEKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes; G. V. GORELOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMEL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; N. N. MALINOVSKIY, V. S. KALENCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ya. M. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

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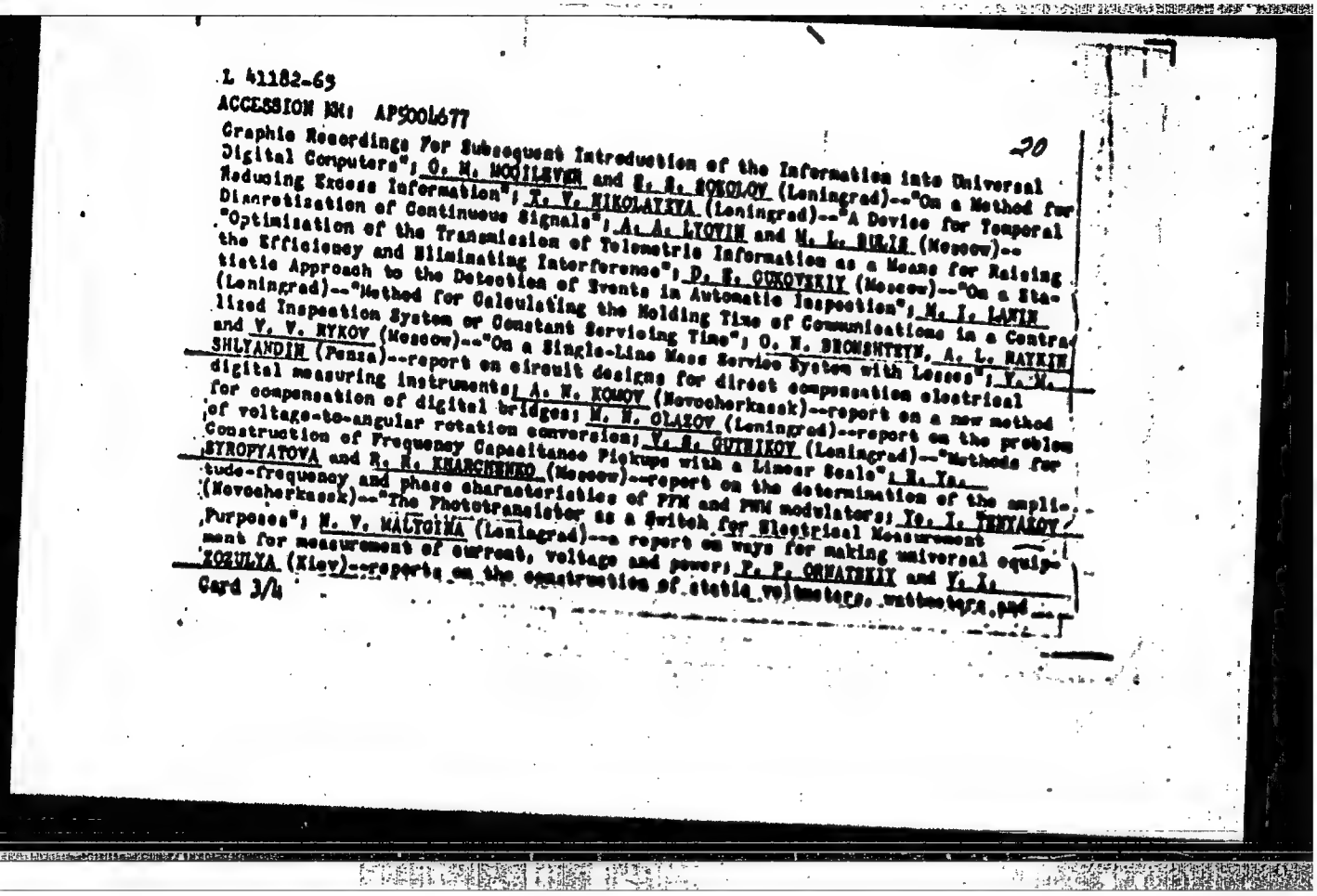

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Graphic Recordings for Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOSKALEVICH and E. E. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; K. V. NIKOLAIEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BIRIN (Moscow)--"Optimization of the Transmission of Telemetric Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. OKHOTSKIY (Moscow)--"On a Statistic Approach to the Detection of Events in Automatic Inspection"; M. I. LAVIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHTEYN, A. L. RAYKIN and V. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. N. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. V. OLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. E. GUTNIKOV (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; R. Ya. SYROFYATOVA and R. E. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TENYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purposes"; M. V. MALTOVA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. KOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters, and

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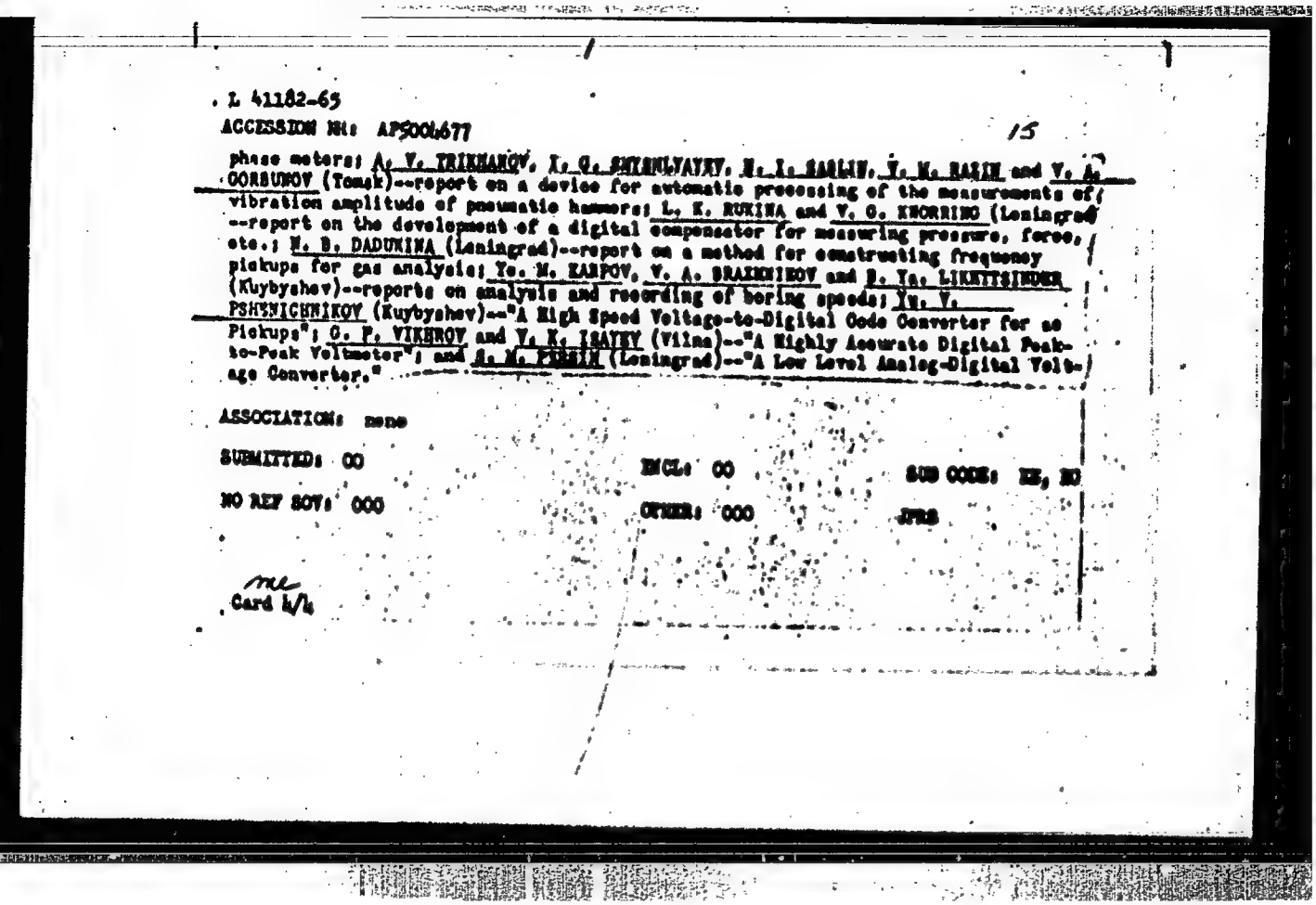

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ACCESSION NR: AP5006677

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phase meters; A. V. TRIKHANOV, I. G. SHTAMLVAYNT, M. I. BABLIN, V. M. BABIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitude of pneumatic hammers; L. K. RUKINA and V. G. KHORRING (Leningrad --report on the development of a digital compensator for measuring pressure, force, etc.; M. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Ye. M. KARPOV, V. A. BRAIKHIKOV and B. Ya. LIKHTSINDER (Kuybyshev)--reports on analysis and recording of boring speeds; Yu. V. PSHENICHNIKOV (Kuybyshev)--"A High Speed Voltage-to-Digital Code Converter for se Pickups"; G. P. VIKHROV and Y. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and A. M. PYRSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: EE, ID

NO REF SOV: 000 OTHER: 000 JPRS

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Card 1/1

[redacted], V. G.

[illegible]-subtraction circuits [illegible]

SOURCE: Izmeritel'naya tekhnika, no. 7, 1963, 25-30

TOPIC TAGS: frequency subtraction, frequency primary detector, primary detector

ABSTRACT: Improved frequency-subtraction circuits which recognize the sign of the difference frequency, and universal circuits which can operate with any ratio between input frequencies are considered. Logic circuits based on static triggers and potential-pulse switches are analyzed; all logic elements respond to signals of one polarity only. One way of registering phase relations in a modulator-containing circuit is to analyze the phase shift between input voltages at the

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ACCESSION NR: AP3005526

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moment of sending the pulse to the counter. Polarity of one voltage is determined when the second voltage is zero. Another way is based on a sudden phase shift introduced into one of the voltages. A two- or three-phase modulator changes its phase sequence depending on the sign of the difference frequency applied to the modulator. The universal frequency-subtraction circuits are based on determining the difference between the number of the cycles of input frequencies. Two input voltages are used to form two pulse trains with definite duration, then pairs of coinciding or close pulses are suppressed, and the rest is directed to a reversible counter. The last method has the two pulse trains (formed from input voltages) cadenced which results in their fixed relative positions in time. Orig. art. has: 5 figures and 8 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 15Aug63 ENCL: 00

SUB CODE: IE NO REF SOV: 007 OTHER: 003

Card 2/2

ACC NR: AP6035705 (A,N) SOURCE CODE: UR/0413/66/000/019/0053/0053

INVENTORS: Rukina, L. K.; Knorring, V. G.

ORG: none

TITLE: A direct current digital milliammeter. Class 21, No. 186560

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 53

TOPIC TAGS: direct current, electric measuring instrument, ammeter

ABSTRACT: This Author Certificate presents a direct current digital milliammeter based on the principle of follow-up balancing. The milliammeter includes a galvanometric converter of the current to a displacement, a converter of the displacement to a pulse sequence, an anticoincidence circuit, a recording device, and a code-current converter (see Fig. 1). The design increases the response time, diminishes the effect of the zero drift, reduces the dead zone, and produces a discrete readout of the quantity being measured with an analog interpolation within the limits of the unit of discreteness. A differential frequency detector is used as the converter of the displacement to the pulse sequence. The recording device includes an analog phase meter which records the fractions of a period and a duodirectional pulse counter which records the whole periods of the cumulative phase difference between the signals

UDC: 621.317.714.024.065.4

Card 1/2

ACC NR: AP6035705

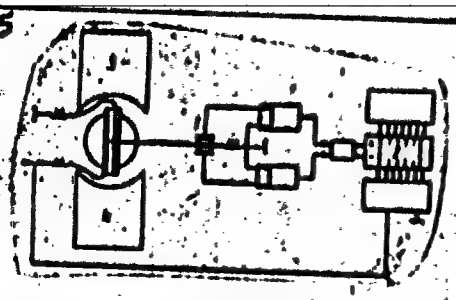


Fig. 1. 1 - displacement converter; 2 - duodirectional pulse counter

from the two halves of the detector. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 14Jan65

Card 2/2

L 20171-66

ACC NR: AT6005068 SOURCE CODE: UR/2563/65/000/256/0003/0009

33
31

AUTHOR: Knorring, V. G.; Rukina, L. K.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut)

TITLE: A new method for the construction of digital compensation instruments for the measurement of mechanical quantities

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 256, 1965. Tsifrovyye izmeritel'nyye i upravlyayushchiye ustroystva (Digital measuring and control devices), 3-9

TOPIC TAGS: manometer, electromechanical converter, analog digital converter, measuring instrument

ABSTRACT: A method is proposed for the design of precision instruments for the measurement of nonelectrical quantities (force, pressure, moment). The instruments consist of a closed automatic equilibration system in which the direct conversion section contains a nonelectrical quantity-to-frequency converter, and inverse conversion is carried out by a code-analog converter. The approach is discussed on the example of a manometer shown in Fig. 1.

Card 1/3

L 26671-66
ACC NR: AT6005068

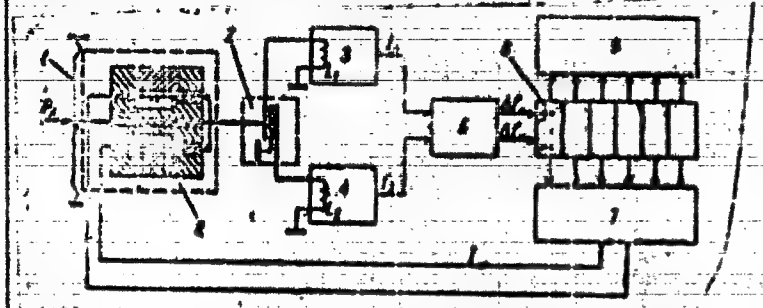


Fig. 1. The block diagram of a digital compensating manometer.

1 - membrane; 2 - differential capacitative undercompensation converter; 3, 4 - frequency dependent circuits of two LC generators; 5 - frequency reading circuits; 6 - reversive pulse counter; 7 - code-to-current converter; 8 - inverted magnetoelectric converter; 9 - reading device.

Card 2/3

L 20671-66
ACC NR: AT6005068

The authors analyze the operation of the instrument, establish its equivalent circuit, and develop the pertinent theoretical expressions. An analysis of the results shows that the procedures studied can be used to build instruments which are completely free of the static undercompensation error. These instruments are also free of insensitive zones because of the use of an ideal integrating stage without a starting threshold in the direct conversion circuit. Since these are digital systems, they may be made completely free of quantization errors without complicating the instrument. Finally, in contradistinction to other physical quantity-to-frequency conversion setups, the proposed units carry out tracking conversion and allow the reading of the quantity under determination at any instant of time. Orig. art. has: 17 formulas and 4 figures. [08]

SUB CODE: 09, 14/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 003/ ATD PRESS: 4223

Card 3/3 UCR

ACCESSION NR: AP4033597 S/0119/64/000/004/0008/0008

AUTHOR: Zograf, I. A. (Engineer); Knorring, V. G. (Engineer); Kondrashkova, G. A. (Engineer); Maly*gina, N. V. (Engineer)

TITLE: Method for measuring infralow-frequency currents and voltages

SOURCE: Priborostroyeniye, no. 4, 1964, 8

TOPIC TAGS: infralow frequency, infralow frequency current, infralow frequency voltage, infralow frequency measurement, fraction cps measurement

ABSTRACT: The existing methods of infralow-frequency measurement are based on high-inertia instruments with a resulting slow reaction. A new principle of measurement is suggested in which a differential frequency converter develops two frequencies f_1 and f_2 in two oscillators (block diagram supplied). Both frequencies are fed into a balanced modulator with a low-pass filter; the latter yields the difference frequency $f_1 - f_2$. This frequency is zero at no measurand;

Card 1/2

ZOGRAF, I. A.; KNORRING, V. G.; KONDRASHKOVA, O. A.; MALYGINA, N. V.

Method for measuring currents and voltages of subsonic frequencies. Priborostroenie no. 4:18 Ap '64. (MIRA 17:5)

ACC NR: AP7001828 SOURCE CODE: UR/0119/66/000/012/0027/0028

AUTHOR: Knorring, V. G. (Engineer); Rukina, L. K. (Engineer)

ORG: none

TITLE: Sign-sensitive frequency subtraction circuit based on discrete action elements

SOURCE: Priborostroyeniye, no. 12, 1966, 27-28

TOPIC TAGS: pulse counter, transistorized circuit, logic circuit

ABSTRACT: A digital frequency comparator with direction sensitivity (i.e., one that indicates whether the resultant difference between the two input frequencies f_1 and f_2 is a plus or a minus) is described. The comparator has solid-state logic circuits which produce a series of positive pulses; the repetition rate of these pulse series is equal to the difference between the two input frequencies. The comparator operates in a relative frequency deviation range of 20—25% of the input frequencies. It also operates when the input frequency f_2 is 2, 3, or another integral number of times lower than the input frequency f_1. Orig. art. has: 2 figures. [IV]

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Card 1/1 UDC: 621.317.361

KHORRING, V.I.; SHOLYAK, A.M.

Remote control of gas pipelines in Central Asia. Gaz. prom. 10 no.6:35-40 '65. (MIRA 18:6)

ARTYUSHENKO, Z.T.; GUSEV, Yu.D., kand.biolog.nauk; ZAYTSEV, G.N.; ZAKHATKIN, B.N.; KHOROSHKO-NEUSTROYEVA, O.I.; PIDOTTI, O.A.; PILIPENKO, F.S.; POLYAKOV, P.P.; RODIONENKO, G.I.; SHILIVANOVA-OKROKOVA, Ye.A.; SOKOLOV, S.Ya., prof., doktor biolog.nauk; SMIRNOVA, A.V., tekhn.red.

[Trees and shrubs of the U.S.S.R.; wild and cultivated, and the prospects for introduction] Derev'ia i kustarniki SSSR; dikorastushchie, kul'tiviruemye i perspektivnye dlia introduktsii. Moskva, Izd-vo Akad.nauk. Vol.6. [Angiosperms: Loganiceae-Compositae] Pokrytosemennye semeistva, Loganievye - Slozhnotsvetnye. 1962. (MIRA 15:5) 378 p.

1. Akademiya nauk SSSR. Botanicheskiy institut.

(Trees) (Shrubs)

KNOTEK, A.: MARTINEC, J.

KNOTEK, A.; MARTINEC, J. New formulas for the calculation of the mean velocity of the flow of water in open channels. p. 303.

Vol. 5, No. 9, Sept. 1955
VODNI HOSPODARSTVI
TECHNOLOGY
PRAHA, CZECHOSLOVAKIA

So: East European Accessions, Vol. 5, No. 5, May 1956

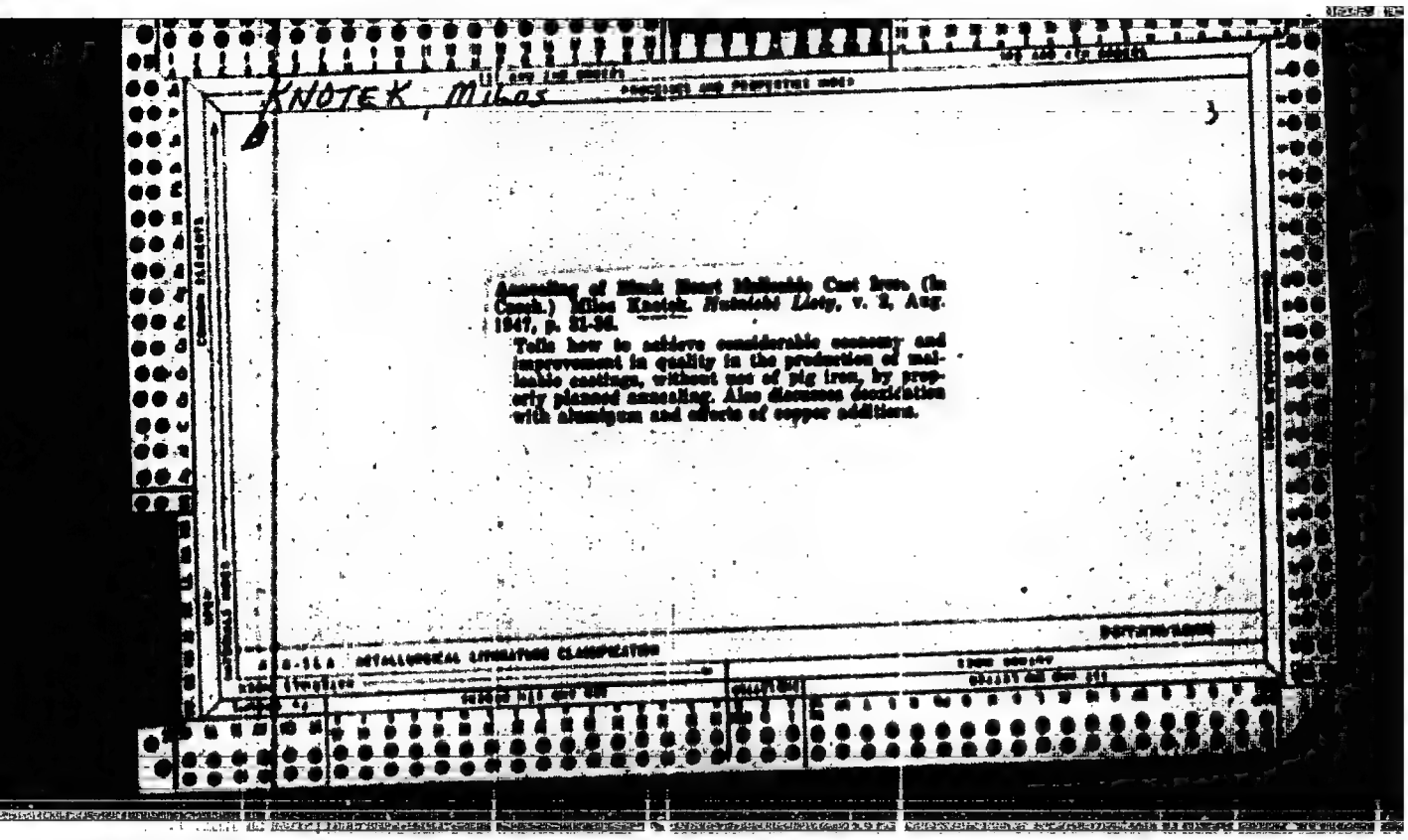
KNOTEK, B.

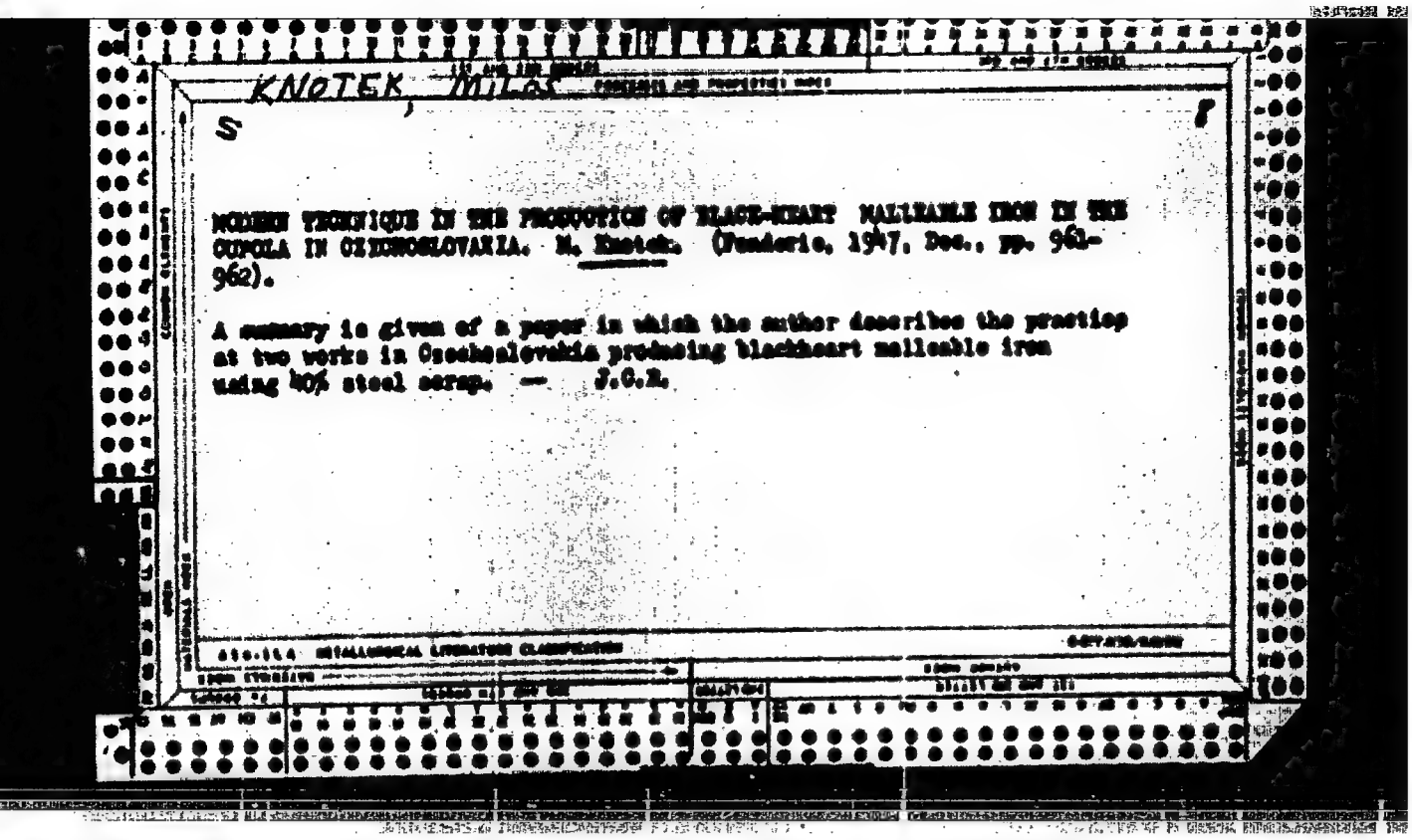
Water for nuclear-power plants. p. 349.

ENERGETIKA. (Ministerstvo energetiky a Ceskoslovenska vedecka technicka spolecnost pro energetiku pri Ceskoslovenska akademii ved) Praha, Czechoslovakia. Vol. 9, no. 7, July 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.





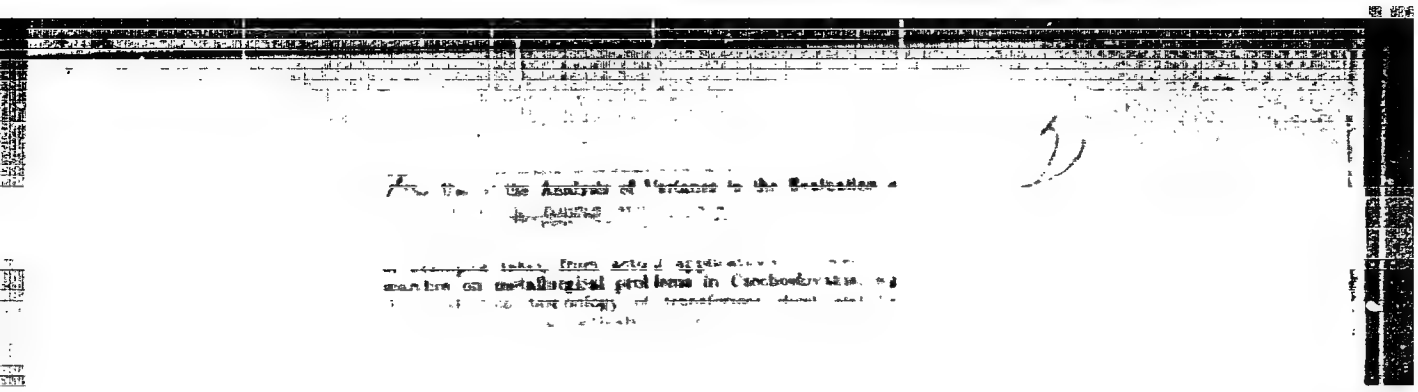
KNOTEK, MILOS

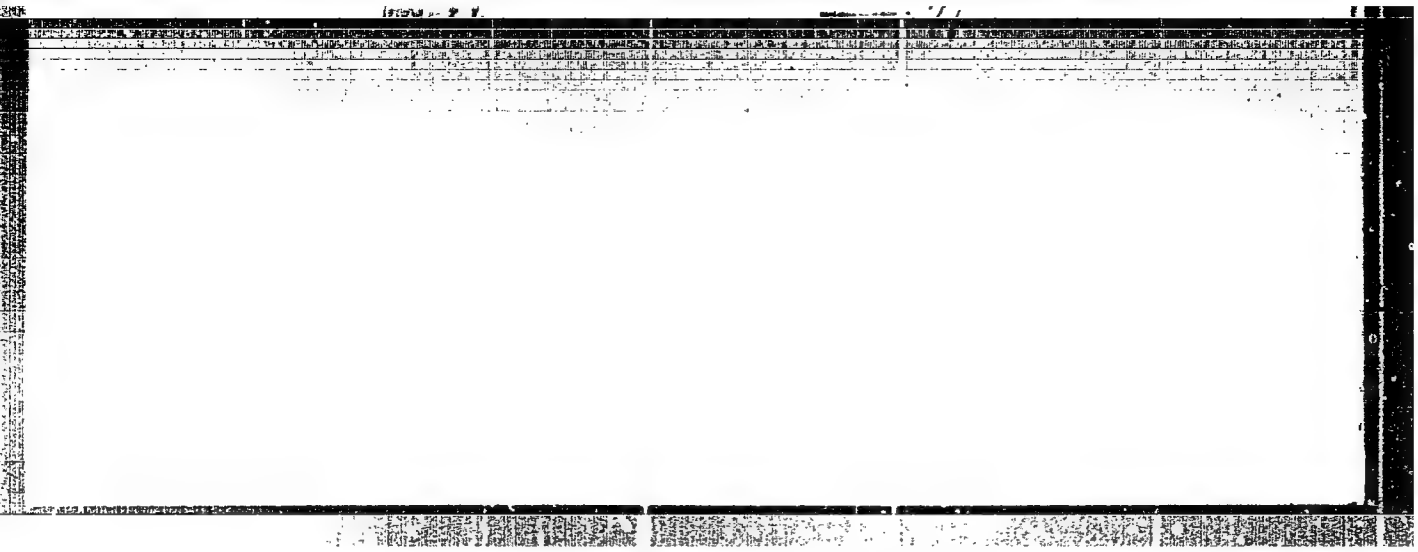
S

MODERN TECHNIQUE IN THE PRODUCTION OF BLACK-HEART MALLEABLE IRON IN THE CUPOLA IN CZECHOSLOVAKIA. M. Knotek. (Foundrie, 1947, Dec., pp. 961-962).

A summary is given of a paper in which the author describes the practice at two works in Czechoslovakia producing blackheart malleable iron using 40% steel scrap. — J.C.S.

669.131.4 METALLURGICAL LITERATURE CLASSIFICATION





APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723320019-4"

KNOTEK, M., ing.; HENES, F., ing.

Statistical methods for determining the fatigue of steel. Hut listy 17 no.2:84-94 F '62.

1. Vyzkumny ustav hutnictvi zeleza, Praha.

KHOTEK, M., ing.

Central control of metallurgical operations. Hut listy 17 no.2: 143-144 F '62.

KNOTEK, Miroslav, ins.

International conference on methods of analysis and control of metallurgic processes by using measuring and calculation techniques. Hut listy 16 no.11:766-770 N '61.

1. Vyzkumny ustav hutnictvi zelesa, Praha.

VOBECKY, Miloslav; KNOTEK, Oldrich

Determining gold in quartz by activation analysis.
Chem listy 58 no.1:15-17 Ja'64.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez.

ANDERS, V.; [redacted] BIRK, I.; OPITS, G.; TSORN, E.; YEDER, V.
[redacted], F.; SHUL'TSE, V.

Reports of the large welding conference of the Association of West German Welders. Avtom.svar. 10 no.3:123 My-Je '57. (MLRA 10:8)

(Germany, West--Welding)

KNOTEK,Otto,dr.; BIRK,Irma,ing.; BANJANAC,Mihajlo,(translator)

Behavior of alloys for hard welding. Zavarivanje 4 no.9:186-189 N '61

KNOTEK, Vladimir, ins.

Survey of the systems of remote-control safety devices.
Zel dop tech 11 no. 12: 361-363 '63.

KNOTEK, Zdenek

"On the Development of Alimentary Methaemoglobinaemia after the Consumption of Water Containing Nitrates," Prague, Ceskoslovenska Hygiena, Vol. V, No. 2-3, Prague, Mar 60, p. 160.

Affiliation: Dept. of Public and Municipal Hygiene, comprised of the Hygiene and Medical Faculty, Prague.

SCHMIDT, P.; KNOTEK, Z.; MUSIL, J.

On the problem of the prevention of diet-related nitrite methemoglobinemia in infants in districts with nitrites in the water. Cesk. pediat. 18 no.9:781-790 S '63.

1. Ustav hygieny v Praze, reditel prof. dr. K. Symon Katedra hygieny Ustavu pro doskolovani lekaru v Praze, vedouci prof. dr. K. Symon I detska klinika fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. J. Svejcar, DrSc.
(METHEMOGLOBINEMIA) (NITRITES)
(WATER POLLUTION) (INFANT NUTRITION)

KNOTEK, Zdenek; SCHMIDT, Pavel; SOMORA, Josef; MUSIL, Josef

A contribution to the mechanism of the pathogenesis of nitrate alimentary methemoglobinemia in infants. III. Model experiments on animals. Cesk. hyg. 6 no.10:585-591 D '61.

1. Ustav hygieny, Praha, Okresni veterinarni zarizeni, Beroun.
(NITRATES toxicology) (METHEMOGLOBINEMIA experimental)

KNOTEK, Zdenek

Geological structure of Hinky Jesenik valleys. Part 2: Uhliriky vrch. Prir ved sborn 23 no.1:61-72 '62.

MUSIL, J.; KNOTEK, Z.; SCHMIDT, P.

Influence of glutathione on the dynamics of methaemoglobin formation. Cesk. hyg. 8 no.9:517-522 O '63.

1. Ustav hygieny, Praha a katedra hygieny UDL, Praha.

CZECHOSLOVAKIA

MUSIL, J; KNOTEK, Z; SCHMIDT, P.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. Chair of Hygiene of UDL (Katedra hygieny UDL), Prague

Prague, Ceskoslovenska hygiena, no 9, 1963, pp 517-521

"Influence of Glutathione on the Dynamics of Methaemoglobin Formation."

/

CZECHOSLOVAKIA

SCHMIDT, P., MD; KNOTEK, Z., MD.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. First Children's Clinic of the Faculty Children's Hospital (I. detska klinika fakultni detske nemocnice), Prague

Prague, Prakticky lekar, No 18, 1963, pp 692-696

"The Occurence and Possibility of Prevention of Nitrate Alimentary Methemoglobinemia of Infants."

(5)

CZECHOSLOVAKIA

SYMON, K.; MUSIL, J.; KNOTEK, Z.; CHALUPA, J.; LABOUTKOVA, Z.; SCHMIDT, P.

1. Institute of Hygiene (Ustav hygieny), Prague; 2. Chair of Hygiene of the UML (Katedra hygieny UDL), Prague

Prague, Ceskoslovenska Hygiena, No 8, 1964, pp 475-481

"Risk of Using Chlorine Dioxyde in the Treatment of Water in Waterworks. Hygienic Education."

KAMINSKI, Z.; KNOTHE, A.; STALINSKI, Z.

Heritability of birth weight and weaning weight in the stock of Polish merinos in Jedrzejowice. Postepy nauk roln 7 no.1:33-40 Ja/F '60. (EEAI 9:10)

1. Wyssza Szkola Rolnicza w Krakowie i Zaklad Hodowli Doswiadczalnej Zwierzat Polskiej Akademii Nauk
(Poland--Merino sheep)

KNOTHE, Aleksandra Maria

Population genetic studies concerning the environment in animal breeding. Postepy nauk roln 12 no.1:3-12 Ja-F '65.

1. Institute of Applied Genetics of the School of Agriculture, Krakow.

KNOTHE, B.

"Technological experiences with the production of stretched rayon." p. 121

MAGYAR TEXTILTECHNIKA)Textilipari Muszaki es Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 11, No. 3, Mar. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

KNOTHE, Aleksandra; KARKOSZKA, Wlodzimierz

Attempts to determine the milk efficiency of sheep of the Cakiel race while pasturing in the mountains based on one single test. Postepy nauk roln 9 no.3:15-21 My-Je '62.

1. Zaklad Hodowli Owiec, Wyzsza Szkola Rolnicza, Krakow, oraz Pracownia Gospodarki Gorskiej, Instytut Melioracji i Uzytkow Zielonych, Krakow.

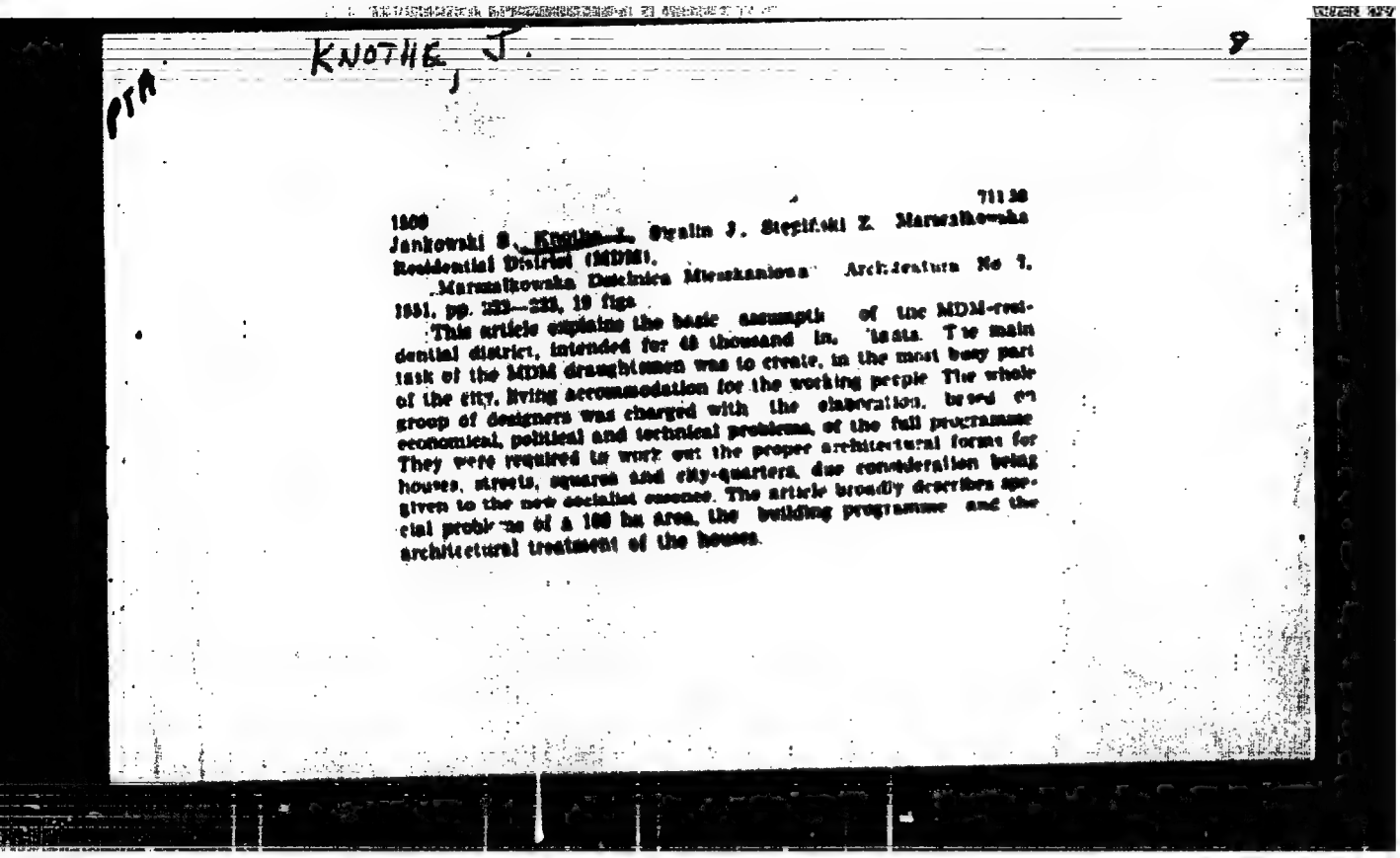
KNOTHE, J

Knothe J. Sigalin J.

Knothe J. Sigalin J., "Some Remarks on the East-West Thoroughfare." (Niektore uwagi o projektowaniu Trasy Wschod-Zachod). Architektura, No 11-12, 1949, pp. 313-326, 40 figs.

An article written by architects of the East-West Thoroughfare studio. It is in the nature of an opening to the discussion which is likely to develop on such a great town-planning undertaking, the East-West Thoroughfare already built, and an invitation to other architects to participate. The article also gives some remarks on the conditions in which the staff of the East-West Thoroughfare studio among the specialists interested. Such a discussion should give in detail all the "pros and cons" necessary to the formation of an objective opinion of the whole of the East-West Thoroughfare and the establishment of a basis for suggestions for the future.

SO: Polish Technical Abstracts No. 2, 1951



KNOTHE J.

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Jankowski S., Knothe J., Stralin J., Stepiński Z. Marszałkowska Residential District (MDM).

Marszałkowska Dzielnica Mieszkaniowa Architektura No 1, 1951, pp. 223—228, 19 figs.

This article explains the basic assumptions of the MDM-residential district, intended for 40 thousand inhabitants. The main task of the MDM draughtsmen was to create, in the most busy part of the city, living accommodation for the working people. The whole group of designers was charged with the elaboration, based on economical, political and technical problems, of the full programme. They were required to work out the proper architectural forms for houses, streets, squares and city-quarters, due consideration being given to the new socialist contents. The article broadly describes special problems of a 160 ha area, the building programme and the architectural treatment of the houses.

KNOTHE, J.

Remarks on the ten-year development of architecture in People's Poland. p. 240
(PRZEGLAD TECHNICZNY, Vol. 75, No. 7, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KNOTHE, S.

KNOTHE, S.; MYSLICKI, A.

"High-tension short-circuit testing stations as basic switchgear laboratories." p. 494. (Przeglad Elektrotechniczny, Vol. 29, no. 11/12, Dec 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

KNOTHE, S.

KNOTHE, S.; SZTEINDUCHERT, L.

"Low-tension short-circuit testing station of the Electrotechnical Institute." p. 559. (Przeglad Elektrotechniczny, Vol. 29, no. 11/12, Dec 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

KNOTHE, S.

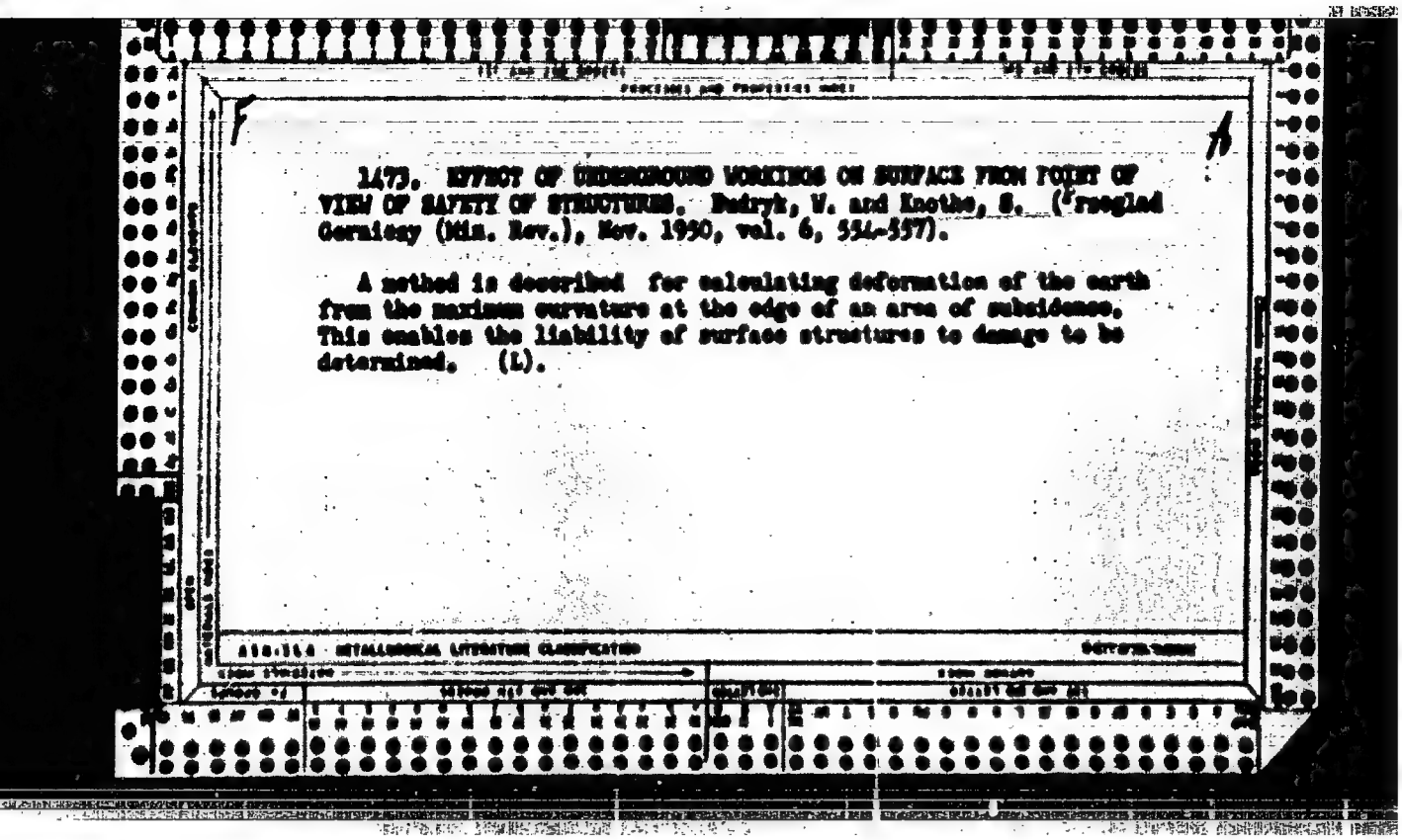
Problems of selection and quality of switches made in Poland. p. 334.
(PRZEGLAD ELEKTROTECHNICZNY, Vol. 30, No. 8, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KNOTHE, Stanislaw

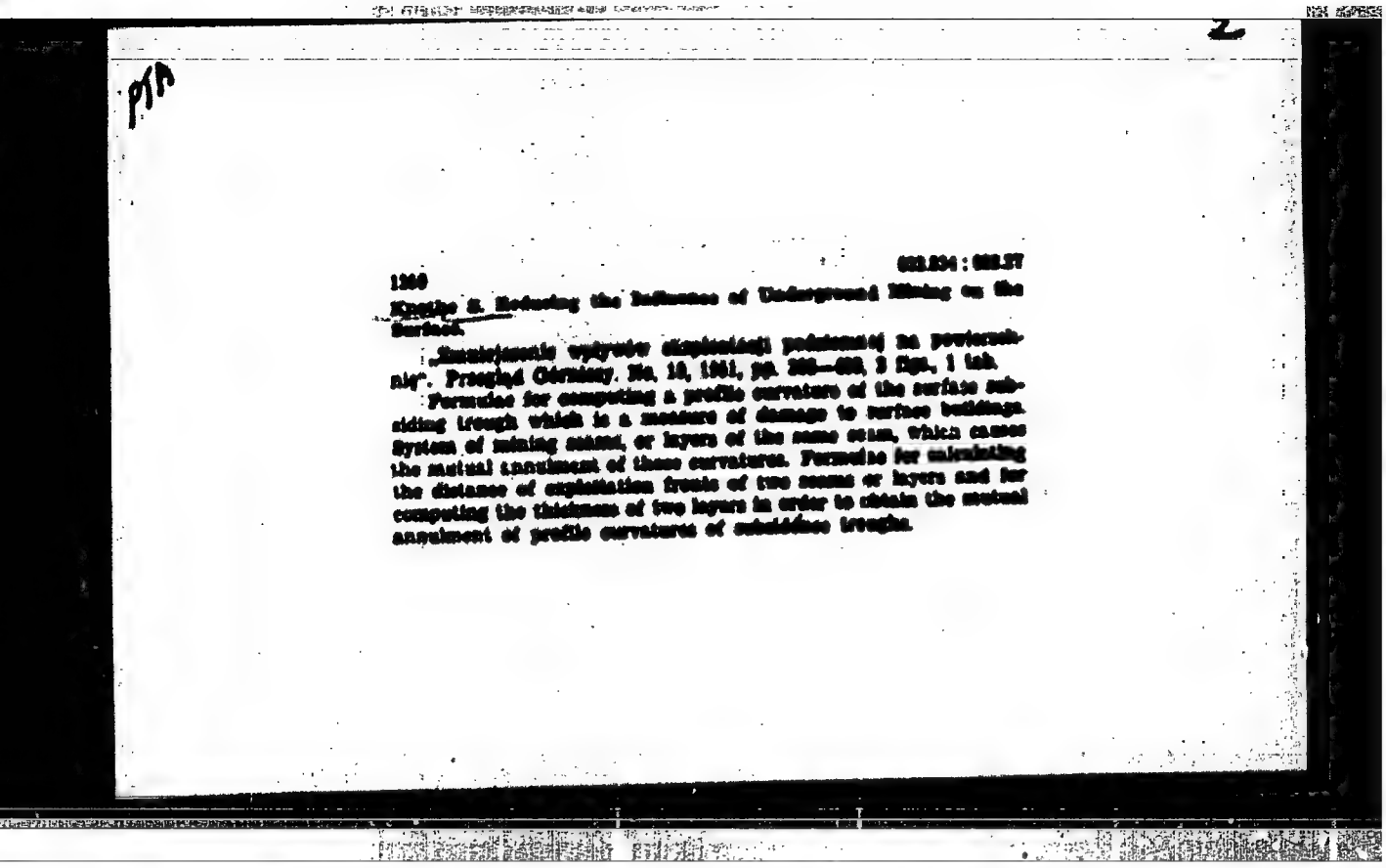
Ac'ivation of old works and possibilities of utilizing them
'o reduce the influence of mining planned in protection pillars.
Archiw gorn 10 no.1:17-27 '65.

1. Submitted April 27, 1964.



1473. EFFECT OF UNDERGROUND WORKINGS ON SURFACE FROM POINT OF VIEW OF SAFETY OF STRUCTURES. Budryk, W. and Knothe, S. (Przegląd Geniczny (Min. Rev.), Nov. 1950, vol. 6, 554-557).

A method is described for calculating deformation of the earth from the maximum curvature at the edge of an area of subsidence. This enables the liability of surface structures to damage to be determined. (L).



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622.834 : 622.27

Kiełpie S. Reducing the Influence of Underground Mining on the Surface.

„Zmniejszenie wpływu eksploatacji podziemnej na powierzchnię". Przegląd Górniczy. No. 10, 1951, pp. 465—468, 3 figs., 1 tab.

Formulae for computing a profile curvature of the surface subsiding trough which is a measure of damage to surface buildings. System of mining seams, or layers of the same seam, which causes the mutual annulment of these curvatures. Formulae for calculating the distance of exploitation fronts of two seams or layers and for computing the thickness of two layers in order to obtain the mutual annulment of profile curvatures of subsidence troughs.

KNOTHE, S.

"Equation for the Profile of a Collapsed Area Over a Mine", P. 22, ARCHIWUM GORNICTWA I HUTNICTWA, Vol. 1, No. 1, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KNOTHE, S.

"Time factor in the Formation of a Collapsing Area", P. 51, (ARCHIWUM GORNICTWA I HUTNICTWA, Vol. 1, No. 1, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KNOTHE, S.

"Approximate Method of Determing Surface Deformation by Applying Palisades, P. 473, (ARCHIWUM GORNICTWA I HUTNICTWA, Vol. 2, No. 4, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KNOTHE, S.

KNOTHE, S. The sinking of the ground surface layer during partial top slicing of a seam. p. 501. ARCHIWUM GORNICTWA I HUTNICTWA. Warszawa, Poland, Vol. 3, No. 4, 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

KWIATEK, S.

Vertical deformations of rock masses by circular and symmetric extraction of shaft pillars.

P. 145 (ARCHIWUM GORNICTWA.) Poland, Vol. 1, No. 2, 1956

SO: Monthly Index of East European Accessions (AEEI) Vol.6, No. 11, November 1957

KNOTHE, S. ; BUDRYK, W.

Problems related to the removal of shaft-protection props. p. 73.
(Banyaszati Lapok, Vol. 12, no. 2, February 1957. Hungary)
Budapest

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sept. 1957. Uncl.

KNOTHE, S.

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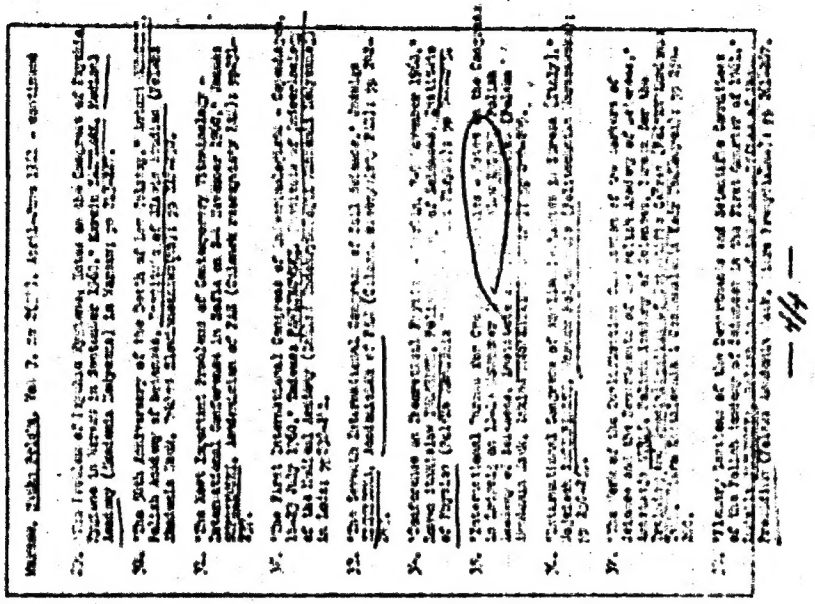

KHOTEK, Stefan, doc.

Influence of the power rating of transformers and the layout of secondary substations on the transmission losses in industrial electric networks. Przegl elektrotechn 39 no.2: 61-66 F '63.

SZONYI, Laszlo, dr.; KNOTIK, Matild, dr.

Significance of salmonellosis in intestinal diseases in children. Gyermekgyogyaszat 15 no.2:45-48 F'64.

1. Komarom Jarasi Tanacs I.sz.Korhaza, Szony, Fertoso Osztaly.

GDR

KLEINZELLER, A., Dr. Dr. DSc; KNOTKOVA, A.; VACEK, Z; LODIN, Z.

Metabolism Laboratory of the Microbiological Institute of the Czechoslovak Academy of Sciences, the Histological Institute of Charles University in Prague, and the Physiological Institute of the Czechoslovak Academy of Sciences (for all)

Berlin, Acta Biologica et Medica Germanica, No. 5/6, 1963, pp 816-828

"Concerning the Localization of Hg in Kidney Cortex Cells and the Mechanism of Mercurial Action on Ionic Transport"

(4)